



Maryland HIV/AIDS Quarterly Update

First Quarter 2018

Data reported through March 31, 2018

**Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration**

Maryland Department of Health

<https://phpa.health.maryland.gov/OIDEOR/CHSE/pages/Home.aspx>

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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phone numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 9/30/2017. Nationally, it has been estimated that 14.5% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 14.0% of people living with HIV infection are undiagnosed. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of 9/30/2017. Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported since 1/1/2009. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out

of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the most recent eight and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Please note that data reported in the quarterly reports may not match data reported in the annual epidemiological profiles due to differences in reporting periods. In addition, not all data has been geocoded in the quarterly reports and therefore is preliminary. Geocoding is the process of assigning geographic identifiers to map features and data records. Addresses are standard data elements required by law and submitted as part of reporting requirements; however, the information may be incomplete which then requires a geocoding process to improve the quality of data. This process is fully completed on the end-of-the-year data set.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and previously diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (a quarter-year) are used to generate the number of diagnoses during the prior years. This six-month lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 10/1/2016-9/30/2017 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 10/1/2016-9/30/2017, as reported by name through 3/31/2018.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 9/30/2017 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 3/31/2018 as reported by name through 3/31/2018.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ cells is less than 14%. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of VL, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, current residence, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), March 31, 2018.

Population data by sex, age, and race/ethnicity are from the July 1, 2016 U.S. Census Estimates. Due to estimation limitations, some population totals may not equal the sum of its components.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 3/31/2018.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 3/31/2018.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2018.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Corrections: Residence in a state or federal prison. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Mean Years from HIV Diagnosis: Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Percent Change: The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Rate: Number of HIV cases divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

MDH Non-Discrimination Statement

The Maryland Department of Health (MDH) complies with applicable Federal civil right laws and does not discriminate on the basis of race, color, national origin, age, disability in its health programs and activities.

English

Help is available in your language: 410-767-5227 (TTY: 1-800-735-2258). These services are available for free.

Español/Spanish

Hay ayuda disponible en su idioma: 410-767-5227 (TTY: 1-800-735-2258). Estos servicios están disponibles gratis.

中文/Chinese

用您的语言为您提供帮助: 410-767-5227 (TTY: 1-800-735-2258). 这些服务都是免费的

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Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 10/1/2016-9/30/2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through 3/31/2018

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
Allegany	63,216	4	0.4%	6.3	***	***	***	***	***
Anne Arundel	476,307	43	4.2%	9.0	86.0%	90.7%	25.6%	79.1%	362
Baltimore City	518,161	209	20.2%	40.3	86.6%	93.3%	22.0%	89.0%	396
Baltimore	701,795	134	13.0%	19.1	91.0%	95.5%	23.1%	91.8%	405
Calvert	76,619	5	0.5%	6.5	80.0%	100.0%	***	100.0%	32
Caroline	27,333	2	0.2%	7.3	***	***	***	***	***
Carroll	142,910	9	0.9%	6.3	88.9%	100.0%	***	100.0%	330
Cecil	86,182	5	0.5%	5.8	100.0%	100.0%	***	***	***
Charles	131,050	33	3.2%	25.2	93.9%	93.9%	27.3%	97.0%	323
Dorchester	27,280	5	0.5%	18.3	100.0%	100.0%	***	100.0%	373
Frederick	206,845	19	1.8%	9.2	100.0%	100.0%	***	94.7%	442
Garrett	25,600	1	0.1%	3.9	***	***	***	***	***
Harford	211,682	23	2.2%	10.9	91.3%	95.7%	52.2%	95.7%	229
Howard	262,960	18	1.7%	6.8	83.3%	94.4%	44.4%	88.9%	218
Kent	17,439	1	0.1%	5.7	***	***	***	***	***
Montgomery	868,044	182	17.6%	21.0	85.7%	93.4%	29.7%	90.7%	338
Prince George's	757,629	293	28.3%	38.7	90.8%	96.2%	34.8%	93.2%	318
Queen Anne's	41,644	0	0.0%	0.0	0.0%	0.0%	0.0%	0.0%	--
Saint Mary's	92,866	4	0.4%	4.3	***	***	***	***	***
Somerset	22,676	0	0.0%	0.0	0.0%	0.0%	0.0%	0.0%	--
Talbot	32,436	0	0.0%	0.0	0.0%	0.0%	0.0%	0.0%	--
Washington	126,707	7	0.7%	5.5	100.0%	100.0%	0.0%	100.0%	513
Wicomico	86,374	15	1.5%	17.4	86.7%	93.3%	***	93.3%	436
Worcester	45,116	2	0.2%	4.4	***	***	***	***	***
Corrections	--	20	1.9%	--	85.0%	90.0%	35.0%	100.0%	313
TOTAL	5,048,872	1,034	100.0%	20.5	88.9%	94.7%	28.5%	91.3%	353

*** Data withheld due to low population counts and/or case counts

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Rate: Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 10/1/2016-9/30/2017, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through 3/31/2018

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	63,216	1	0.2%	1.6	***	***
Anne Arundel	476,307	24	4.1%	5.0	5.5	50.0%
Baltimore City	518,161	153	25.9%	29.5	6.2	35.9%
Baltimore	701,795	78	13.2%	11.1	4.6	59.0%
Calvert	76,619	4	0.7%	5.2	***	***
Caroline	27,333	1	0.2%	3.7	***	***
Carroll	142,910	2	0.3%	1.4	***	***
Cecil	86,182	4	0.7%	4.6	***	***
Charles	131,050	23	3.9%	17.6	4.9	56.5%
Dorchester	27,280	4	0.7%	14.7	***	***
Frederick	206,845	5	0.8%	2.4	6.3	40.0%
Garrett	25,600	0	0.0%	0.0	--	0.0%
Harford	211,682	13	2.2%	6.1	0.1	92.3%
Howard	262,960	11	1.9%	4.2	2.8	81.8%
Kent	17,439	0	0.0%	0.0	--	0.0%
Montgomery	868,044	74	12.5%	8.5	2.7	68.9%
Prince George's	757,629	176	29.8%	23.2	3.8	55.1%
Queen Anne's	41,644	1	0.2%	2.4	***	***
Saint Mary's	92,866	2	0.3%	2.2	***	***
Somerset	22,676	1	0.2%	4.4	***	***
Talbot	32,436	0	0.0%	0.0	--	0.0%
Washington	126,707	2	0.3%	1.6	***	***
Wicomico	86,374	4	0.7%	4.6	***	***
Worcester	45,116	0	0.0%	0.0	--	0.0%
Corrections	--	8	1.4%	--	1.2	75.0%
TOTAL	5,048,872	591	100.0%	11.7	4.4	54.0%

*** Data withheld due to low population counts and/or case counts

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Rate: Number of adult/adolescent AIDS diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Mean Years from HIV Diagnosis: Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 9/30/2017, by Jurisdiction of Residence at Diagnosis, Reported through 3/31/2018

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	63,216	38	0.3%	60.1	32	0.2%	50.6	70	0.2%	110.7	903
Anne Arundel	476,307	581	3.8%	122.0	688	4.0%	144.4	1,269	3.9%	266.4	375
Baltimore City	518,161	5,255	34.7%	1,014.2	6,469	37.7%	1,248.5	11,724	36.3%	2,262.6	44
Baltimore	701,795	1,657	11.0%	236.1	1,797	10.5%	256.1	3,454	10.7%	492.2	203
Calvert	76,619	50	0.3%	65.3	53	0.3%	69.2	103	0.3%	134.4	743
Caroline	27,333	32	0.2%	117.1	35	0.2%	128.1	67	0.2%	245.1	407
Carroll	142,910	62	0.4%	43.4	73	0.4%	51.1	135	0.4%	94.5	1,058
Cecil	86,182	51	0.3%	59.2	63	0.4%	73.1	114	0.4%	132.3	755
Charles	131,050	270	1.8%	206.0	220	1.3%	167.9	490	1.5%	373.9	267
Dorchester	27,280	45	0.3%	165.0	84	0.5%	307.9	129	0.4%	472.9	211
Frederick	206,845	180	1.2%	87.0	157	0.9%	75.9	337	1.0%	162.9	613
Garrett	25,600	6	0.0%	23.4	4	0.0%	15.6	10	0.0%	39.1	2,560
Harford	211,682	191	1.3%	90.2	251	1.5%	118.6	442	1.4%	208.8	478
Howard	262,960	263	1.7%	100.0	269	1.6%	102.3	532	1.6%	202.3	494
Kent	17,439	16	0.1%	91.7	21	0.1%	120.4	37	0.1%	212.2	471
Montgomery	868,044	2,000	13.2%	230.4	2,117	12.3%	243.9	4,117	12.7%	474.3	210
Prince George's	757,629	3,475	23.0%	458.7	3,586	20.9%	473.3	7,061	21.9%	932.0	107
Queen Anne's	41,644	12	0.1%	28.8	36	0.2%	86.4	48	0.1%	115.3	867
Saint Mary's	92,866	62	0.4%	66.8	68	0.4%	73.2	130	0.4%	140.0	714
Somerset	22,676	25	0.2%	110.2	31	0.2%	136.7	56	0.2%	247.0	404
Talbot	32,436	26	0.2%	80.2	32	0.2%	98.7	58	0.2%	178.8	559
Washington	126,707	168	1.1%	132.6	125	0.7%	98.7	293	0.9%	231.2	432
Wicomico	86,374	115	0.8%	133.1	114	0.7%	132.0	229	0.7%	265.1	377
Worcester	45,116	34	0.2%	75.4	43	0.3%	95.3	77	0.2%	170.7	585
Corrections	--	505	3.3%	--	797	4.6%	--	1,302	4.0%	--	--
TOTAL	5,048,872	15,128	100.0%	299.6	17,174	100.0%	340.2	32,302	100.0%	639.8	156

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2016.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Rate: Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 4 – Adult/Adolescent HIV Cases Alive on 9/30/2017, by Jurisdiction of Residence at Diagnosis or Current Residence, Reported through 3/31/2018

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Total Living HIV Cases								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Allegany	63,216	70	0.2%	110.7	903	101	0.3%	159.8	625	44.3%
Anne Arundel	476,307	1,269	3.9%	266.4	375	1,295	4.3%	271.9	367	2.0%
Baltimore City	518,161	11,724	36.3%	2,262.6	44	10,328	34.3%	1,993.2	50	-11.9%
Baltimore	701,795	3,454	10.7%	492.2	203	3,228	10.7%	460.0	217	-6.5%
Calvert	76,619	103	0.3%	134.4	743	128	0.4%	167.1	598	24.3%
Caroline	27,333	67	0.2%	245.1	407	68	0.2%	248.8	401	1.5%
Carroll	142,910	135	0.4%	94.5	1,058	114	0.4%	79.8	1,253	-15.6%
Cecil	86,182	114	0.4%	132.3	755	139	0.5%	161.3	620	21.9%
Charles	131,050	490	1.5%	373.9	267	524	1.7%	399.8	250	6.9%
Dorchester	27,280	129	0.4%	472.9	211	139	0.5%	509.5	196	7.8%
Frederick	206,845	337	1.0%	162.9	613	401	1.3%	193.9	515	19.0%
Garrett	25,600	10	0.0%	39.1	2,560	15	0.0%	58.6	1,706	50.0%
Harford	211,682	442	1.4%	208.8	478	460	1.5%	217.3	460	4.1%
Howard	262,960	532	1.6%	202.3	494	614	2.0%	233.5	428	15.4%
Kent	17,439	37	0.1%	212.2	471	33	0.1%	189.2	528	-10.8%
Montgomery	868,044	4,117	12.7%	474.3	210	3,239	10.8%	373.1	267	-21.3%
Prince George's	757,629	7,061	21.9%	932.0	107	7,315	24.3%	965.5	103	3.6%
Queen Anne's	41,644	48	0.1%	115.3	867	45	0.1%	108.1	925	-6.3%
Saint Mary's	92,866	130	0.4%	140.0	714	161	0.5%	173.4	576	23.8%
Somerset	22,676	56	0.2%	247.0	404	80	0.3%	352.8	283	42.9%
Talbot	32,436	58	0.2%	178.8	559	64	0.2%	197.3	506	10.3%
Washington	126,707	293	0.9%	231.2	432	312	1.0%	246.2	406	6.5%
Wicomico	86,374	229	0.7%	265.1	377	234	0.8%	270.9	369	2.2%
Worcester	45,116	77	0.2%	170.7	585	72	0.2%	159.6	626	-6.5%
Corrections	--	1,302	4.0%	--	--	995	3.3%	--	--	-23.6%
TOTAL	5,048,872	32,302	100.0%	639.8	156	30,104	100.0%	596.3	167	-6.8%

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Rate: Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

Table 5 – CD4 Test Results during 10/1/2016-9/30/2017 for Adult/Adolescent HIV Cases Alive on 9/30/2017, by Jurisdiction of Current Residence, Reported through 3/31/2018

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	101	89	88.1%	646	3.4%	13.5%	19.1%	64.0%
Anne Arundel	1,295	844	65.2%	581	10.8%	10.9%	17.2%	61.1%
Baltimore City	10,328	6,904	66.8%	555	12.3%	14.4%	16.8%	56.5%
Baltimore	3,228	2,026	62.8%	590	10.6%	13.1%	15.7%	60.6%
Calvert	128	101	78.9%	661	6.9%	13.9%	19.8%	59.4%
Caroline	68	35	51.5%	550	2.9%	20.0%	14.3%	62.9%
Carroll	114	78	68.4%	601	14.1%	11.5%	15.4%	59.0%
Cecil	139	88	63.3%	588	6.8%	11.4%	17.0%	64.8%
Charles	524	396	75.6%	590	13.4%	12.6%	13.1%	60.9%
Dorchester	139	104	74.8%	536	9.6%	13.5%	23.1%	53.8%
Frederick	401	283	70.6%	607	6.7%	11.0%	18.4%	64.0%
Garrett	15	12	80.0%	842	0.0%	0.0%	33.3%	66.7%
Harford	460	318	69.1%	546	13.2%	13.5%	17.3%	56.0%
Howard	614	396	64.5%	581	9.6%	12.6%	15.4%	62.4%
Kent	33	29	87.9%	603	0.0%	17.2%	17.2%	65.5%
Montgomery	3,239	2,254	69.6%	583	8.5%	12.6%	18.7%	60.1%
Prince George's	7,315	5,180	70.8%	574	9.2%	12.4%	18.6%	59.8%
Queen Anne's	45	34	75.6%	694	2.9%	14.7%	11.8%	70.6%
Saint Mary's	161	118	73.3%	562	11.0%	16.1%	17.8%	55.1%
Somerset	80	64	80.0%	659	10.9%	7.8%	12.5%	68.8%
Talbot	64	47	73.4%	406	17.0%	12.8%	23.4%	46.8%
Washington	312	225	72.1%	648	9.3%	9.3%	12.9%	68.4%
Wicomico	234	170	72.6%	522	13.5%	14.7%	20.0%	51.8%
Worcester	72	62	86.1%	604	14.5%	1.6%	19.4%	64.5%
Corrections	995	679	68.2%	505	16.9%	16.5%	16.1%	50.5%
TOTAL	30,104	20,536	68.2%	571	10.8%	13.3%	17.3%	58.7%

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Table 6 – Viral Load Test Results during 10/1/2016-9/30/2017 for Adult/Adolescent HIV Cases Alive on 9/30/2017, by Jurisdiction of Current Residence, Reported through 3/31/2018

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	101	80	79.2%	90.0%	7,497
Anne Arundel	1,295	805	62.2%	81.5%	7,769
Baltimore City	10,328	6,420	62.2%	76.0%	12,100
Baltimore	3,228	1,929	59.8%	81.0%	15,600
Calvert	128	100	78.1%	88.0%	2,140
Caroline	68	37	54.4%	91.9%	21,300
Carroll	114	70	61.4%	90.0%	28,480
Cecil	139	87	62.6%	87.4%	20,160
Charles	524	403	76.9%	82.6%	14,300
Dorchester	139	107	77.0%	86.9%	1,725
Frederick	401	284	70.8%	84.9%	13,843
Garrett	15	12	80.0%	100.0%	--
Harford	460	283	61.5%	81.6%	10,280
Howard	614	385	62.7%	82.6%	6,662
Kent	33	30	90.9%	93.3%	69,175
Montgomery	3,239	2,274	70.2%	87.2%	7,370
Prince George's	7,315	5,222	71.4%	84.4%	11,280
Queen Anne's	45	31	68.9%	87.1%	235
Saint Mary's	161	116	72.0%	82.8%	45,600
Somerset	80	66	82.5%	86.4%	32,100
Talbot	64	48	75.0%	85.4%	7,010
Washington	312	230	73.7%	81.7%	2,117
Wicomico	234	172	73.5%	81.4%	14,760
Worcester	72	59	81.9%	88.1%	15,253
Corrections	995	606	60.9%	68.5%	11,104
TOTAL	30,104	19,856	66.0%	81.0%	11,042

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of March 31st of the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.